ABSTRACT OF THE DISCLOSURE

3	Coating apparatus including
6	a coating vessel including
•	a vertical wall having
9	
	a vertical interior surface having a circular cross section and an
	imaginary vertical axis,
12	
Ellipson	an open top and
	a bottom,
Short Short	a vertical shaft supported on the bottom of the coating vessel, the shaft having an axis
	aligned coaxially with the imaginary vertical axis of the interior surface having the circular
18 	cross section, and
21	a coating liquid inlet / outlet adjacent to the bottom of the coating vessel.